Attorney's Docket No.: 10578-009002



## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: William B. Kerfoot

Art Unit: 1724

Serial No.: 10/602,256

Examiner: Unknown

Filed

: June 23, 2003

Title

: GROUNDWATER AND SUBSURFACE REMEDIATION

Commissioner for Patents

P.O. Box 1450

Alexandria, VA 22313-1450

## INFORMATION DISCLOSURE STATEMENT

Applicant submits the references listed on the attached form PTO-1449.

This statement is being filed within three months of the filing date of the application or before the receipt of a first Office action on the merits. Please apply any charges or credits to Deposit Account No. 06-1050.

Respectfully submitted,

Date:

Fish & Richardson P.C. 225 Franklin Street Boston, MA 02110-2804

Telephone: (617) 542-5070 Facsimile: (617) 542-8906

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Benis G. Maloney

Reg. No. 29,670

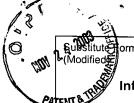
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orm PTO-1449

U.S. Department of Commerce Patent and Trademark Office Attorney's Docket No. 10578-009002

Application No. 10/602,256

Information Disclosure Statement by Applicant (Use several sheets if necessary)

William B. Kerfoot

(222222

Filing Date
June 23, 2003

Applicant

Group Art Unit 1724

(37 CFR §1.98(b))

			U.S. Pate	ent Documents			
Examiner Initial	Desig. ID	Document Number	Publication Date	Patentee	Class	Subclass	Filing Date If Appropriate
	AA	4,639,314		Tyer			1/18/85
	AB	4,696,739 —		Pedneault			8/11/86
	AC	4,966,717		Kern		- · · ·	2/10/89
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Examiner	Desig.	Document	Publication	Country or			Trans	lation
Initial	D	Number	Date	Patent Office	Class	Subclass	Yes	No
	AW	4-171036	$\vee$	Patent Abstract of Japan				
	AX	6-023378	V	Patent Abstract of Japan				

Examiner Signature

Date Considered

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Substitute Form PTO-1449 (Modified)	U.S. Department of Commerce Patent and Trademan Chise	Attorney's Docket No. 10578-009002	Application No. 10/602,256
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	Foreign	n Patent Doo	uments of Pa	blished Foreign	Patent A	application	ns	
Examiner Initial	Desig.	Document Number	Publication	Country or			Trans	lation
IIIIIIai	IU	Number	Date	Patent Office	Class	Subclass	Yes	No
	AY		<u> </u>					
	AZ							
	AAA							

	Other D	ocuments (include Author, Title, Date, and Place of Publication)
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+	ABB	"Factors Controlling the Removal of Organic Pollutants in an Ozone Reactor", M.D. Gurol, AWWA 1984 Annual Conference, Dallas, TX, June 10-14, 1984, pp. 2-21.
+	ACC	"In-situ Air Sparging Without Inorganic Nutrient Amendment: An Effective Bioremediation Strategy for Treating Petroleum-Contaminated Groundwater Systems", R. Schaffner, Jr., et al., <a href="http://www.bioremediationgroup.org/BioReferences/TierlPapers/insitu.htm">http://www.bioremediationgroup.org/BioReferences/TierlPapers/insitu.htm</a> , July 30, 2003, pp. 1-14.
+	ADD	"Environmental Management", DON Environmental Restoration Plan for Fiscal Years 1997-2001, Sept. 30, 1996, pp. 4-1 to 4-8.
+	AEE	"How to Evaluate Alternative Cleanup Technologies for Underground Storage Tank Sites", U.S. Environmental Protection Agency, October 1994.
<i>+</i>	-AFF	"Yuma Pilot-Testing Ozone Sparging, Stripping", Pasha Publications, Defense Cleanup, Nov. 8, 1996, pp. 5-6.
-	AGG	"Chemical Degradation of Aldicarb in Water Using Ozone", F.J. Beltran et al., <i>Journal of Chemical Technology &amp; Biotechnology</i> , 1995, pp. 272-278.
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_	AJJ	"Kinetics of the Bentazone Herbicide Ozonation", Journal of Environmental Science and Health, Vol. A31, No. 3, 1996, pp. 519-537.
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	ALL	"Technology Status Review In Situ Oxidation", Environmental Security Technology Certification Program, November 1999, pp. 1-42.
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_	AQQ	"Analysis of Selected Enhancements for Soil Vapor Extraction", U.S. Environmental Protection Agency, September 1997, pp. 1-5 to 7-39.

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Application No. 10/602,256

formation Disclosure Statement by Applicant (Use several sheets if necessary) Applicant William B. Kerfoot

Filing Date
June 23, 2003

Group Art Unit 1724

(37 CFR §1.98(b))

	Other D	ocuments (include Author, Title, Date, and Place of Publication)
Examiner Initial	Desig. ID	Document ·
	ARR	"Biologisch-chemische Behandlung Eines Kontaminierten Grundwassers von einem Gaswerksgelande, DrIng. Joachim Behrendt, <i>Technische Universitat Hamburg-Harburg, Germany</i> , Vol. 136, No. 1, January 1995, pp. 18-24.
	ASS	"Single-phase Membrane Ozonation of Hazardous Organic Compounds in Aqueous Streams", P.V. Shanbhag et al., <i>Journal of Hazardous Materials</i> 41, 1995, pp. 95-104.
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)	AXX	"Ground Water, Surface Water, and Leachate", <a href="http://www.frtr.gov/matrix2/section 4/4-30.html">http://www.frtr.gov/matrix2/section 4/4-30.html</a> , July 22, 2003, pp. 1-4.
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	ABBB	"Aquifer Remediation Wells", EPA, Vol. 16, September 1999, pp. 1-80.
	ACCC	"Transfer Rate of Ozone across the Gas-Water Interface", S. Okouchi et al., The Chemical Society of Japan, No. 2, 1989, pp. 282-287.
	ADDD	"Effect of Organic Substances on Mass Transfer in Bubble Aeration", M. Gurol et al., <i>Journal WPCF</i> , Vol. 57, No. 3, pp. 235-240.
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1	AGGG	"RCC RemedOzone Mobile Remediation System", RCC
7	АННН	"Santa Barbara I Manufactured Gas Plant Site", California EPA, January 2002, pp. 1-6.
	AIII	"Typical Applications of Ozone", ARCE Systems, Inc., <a href="http://www.arcesystems.com/products/ozone/applications.htm">http://www.arcesystems.com/products/ozone/applications.htm</a> , 2000-02, pp. 1-2.
	AJJJ	"Strategies to Protect Your Water Supply from MTBE", Komex Industries, <a href="http://www.komex.com/industries/remediation.stm">http://www.komex.com/industries/remediation.stm</a> , 2002, pp. 1-8.
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	ALLL	"Newark Brownfield Site to Increase Student Housing", Environmental Alliance Monitor, <a href="http://www.envalliance.com/monitor&amp;pubs/1998fall.htm">http://www.envalliance.com/monitor&amp;pubs/1998fall.htm</a> , 1998, pp. 1-8.

Examiner Signature	Date Considered
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	Other Do	ocuments (include Author, Title, Date, and Place of Publication)
Examiner	Desig.	
Initial	ID	Document
	AMMM	"In Situ Ozonation to Remediate Recalcitrant Organic Contamination", J. Dablow et al., IT Corporation, pp. 1-2.

Examiner Signature

Date Considered

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